

Title (en)

METHOD AND APPARATUS FOR GRIPPING AND SEPARATING OUT ARTICLES

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ERFASSEN UND AUSSONDERN VON STÜCKGÜTERN

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR DÉTECTER ET RETIRER DES MARCHANDISES DE DÉTAIL

Publication

EP 3180280 B1 20190306 (DE)

Application

EP 15750622 A 20150806

Priority

- CH 12212014 A 20140813
- CH 10022015 A 20150709
- CH 2015000115 W 20150806

Abstract (en)

[origin: WO2016023135A1] The invention relates to methods for specifically gripping and separating out individual articles (5) which are conveyed one after the other in a conveying direction (F) on a sheet-like conveying mechanism (2). A position-determining device picks up a piece of information relating to the position of the article (5) which is to be separated out. The article (5') which is to be separated out is displaced transversely to the conveying direction (F) by means of a pusher (4), the pusher (4) being moved into the conveying region of the articles (5) in a direction transverse to the conveying direction (F). The pusher (4) is then moved, prior to the article (5) being pushed, into an advancement position (Vp), in which it is located in the conveying region, above the conveying mechanism (2). The article (5) is then pushed over the conveying mechanism (2) by the pusher (4) by virtue of the pusher (4) being accelerated from the advancement position (Vp) in a pushing direction (S). The advancement position (Vp) is defined by a control device (14) in dependence on the information relating to the position, on the conveying mechanism (2), of the article (5) which is to be separated out.

IPC 8 full level

B65G 47/82 (2006.01)

CPC (source: EP US)

B65G 47/82 (2013.01 - EP US); **B65G 2203/044** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

CH 709985 A2 20160215; EP 3180280 A1 20170621; EP 3180280 B1 20190306; ES 2729241 T3 20191031; PL 3180280 T3 20190930; US 2017233197 A1 20170817; US 9845205 B2 20171219; WO 2016023135 A1 20160218

DOCDB simple family (application)

CH 10022015 A 20150709; CH 2015000115 W 20150806; EP 15750622 A 20150806; ES 15750622 T 20150806; PL 15750622 T 20150806; US 201515502531 A 20150806